

## ABSTRACT OF THE DISCLOSURE

A train detection system includes a transmitter which transmits a train detecting signal, a receiver, and a wayside controller connectable to the transmitter and the receiver. The transmitter adds a first unique code assigned to the transmitter to the train detecting signal received from the wayside controller and transmits the thus processed train detecting signal, and the receiver adds data of a second unique code to the train detecting signal and transmits the thus processed train detecting signal. The wayside controller includes a unique code checker for checking whether or not the first unique code and the second unique code agree with the contents of a predetermined code.